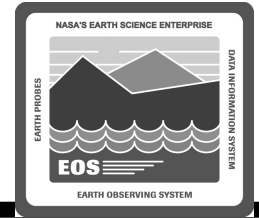


# Objectives and Importance

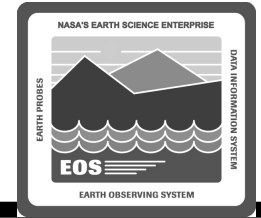
---



- **Overall: Proficiency in providing support to users of the Java Data Acquisition Request (DAR) tool and On-Demand Form Request Manager (ODFRM)**
  - Describe the Java DAR tool and its purpose
  - Create and submit a DAR, including instrument settings, data quality, transmission, viewing geometry, spatial requirements, and temporal requirements
  - Create and submit a query to the xAR Database
  - Create and submit an ASTER On-Demand Product Request
  - Track and cancel an ASTER On-Demand Product Request
- **Lesson topic helps prepare EDC User Services representatives to assist users in application of the Java DAR tool for preparing ASTER Data Acquisition Requests, and in application of the ODFRM for preparing On-Demand Product Requests**

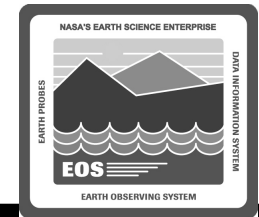
# Data Acquisition Requests

---



- **DAR: a user request submitted through the ECS Client to schedule data acquisition by the Advanced Spaceborne Thermal Emission and Reflection (ASTER) Radiometer**
  - submitted to the ASTER Ground Data System (GDS) in Japan
  - the GDS controls scheduling of the ASTER instrument
  - collected data are provided as level 1A and level 1B data to the EROS Data Center (EDC)

# Java DAR Tool (JDT) Organizer Tab



**Java DAR Tool**

File View Organizer Help

Organizer Create/Edit DAR Create/Edit Search Inspect Results

Show: All Folders

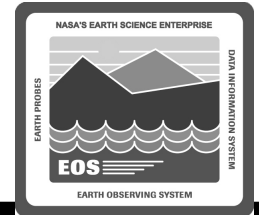
Brazilian Studies		Date/time: Tue Dec 08 13:27:27 EST 1998
Paras	DAR 0 (Ownership : ECSGuest)	Date/time: Jan 10 2000 16:02:06 EST
Bahia	DAR 0 (Ownership : ECSGuest)	Date/time: Jan 10 2000 16:02:28 EST
Amazonas	DAR 0 (Ownership : ECSGuest)	Date/time: Jan 10 2000 16:02:53 EST
Grasslands		Date/time: Jan 10 2000 16:03:21 EST

The Organizer is essentially a simple file manager for your DAR information. The Organizer contains user-created (1) folders and (2) DARs. To see what's under a folder double-click on it or use the switch to the left of the folder. Double-clicking on a DAR will load that DAR into the editor screen (Create/Edit DAR tab). Clicking the

Warning: Applet Window

ONLINE HELP

# JDT Create/Edit DAR General Tab



**Java DAR Tool**

File View Create/Edit DAR Help

Organizer Create/Edit DAR Create/Edit Search Inspect Results

Submit DAR

**General** Spatial Temporal Coverage Geometry Priority

DAR Title: Amazonas

User ID: ECSQuest

Investigation Class: Other

Scientific Objective:

Maximum Cloud Coverage(%): <=20%

Day and/or Night Settings: day

Telescope Selection: full mode

Show Gain Settings: ☒ YES ☐ NO

Visible and Near Infrared (VNIR): Short Wave Infrared (SWIR):

Band1: high	Band4: normal	Band7: normal
Band2: high	Band5: normal	Band8: normal
Band3: normal	Band6: normal	Band9: normal

Note: Press button to save values >>> Update DAR >>>

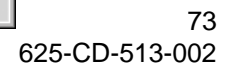
Reset Attribute Reset All

DAR Summary

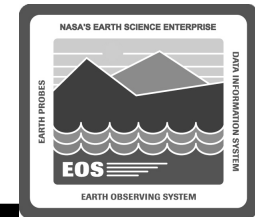
- General - Primary Attributes
- General - Telescope Settings
- Spatial
- Temporal
- Coverage
- Geometry
- Priority

The Create/Edit DAR tab above contains nested tabs which allow you to enter DAR parameters. It is MANDATORY to set spatial coordinates (latitude & longitude) and temporal parameters (lifetime start and end dates) for all DARs. All other parameters are optional. Press the 'Update DAR >>>' button to add entered values to your DAR. Press the 'Submit DAR' button (on toolbar above) to submit the DAR to the ASTER GDS.

Warning: Applet Window



# JDT Create/Edit DAR Temporal Tab



**Java DAR Tool**

File View Create/Edit DAR Help

Organizer Create/Edit DAR Create/Edit Search Inspect Results

Submit DAR

General Spatial **Temporal** Coverage Geometry Priority

DAR Lifetime:

Start: 1 11 2000 End: 1 10 2001  
Month/Day/Year Month/Day/Year

DAR Lifetime: Period over which all acquisitions may occur; may have multiple AWs.

Repeat Interval: 365 23 (Days)(Hours)

Acquisition Window: 365 23 (Days)(Hours)

AW Duration: Length of each AW. The first AW begins with the DAR Lifetime Start Date.  
RI: Time from start of one AW to the start of the next (used only with multiple AWs).  
Note: Having multiple AWs may entail resetting Multi-Temporal Observations on the Coverage tab.

Note: Press button to save values >>> **Update DAR >>>**

**DAR Summary**

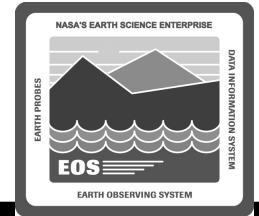
- ☐ General - Primary Attributes
- ☐ General - Telescope Settings
- ☐ Spatial
- ☐ Temporal
- ☐ Coverage
- ☐ Geometry
- ☐ Priority

Reset Attribute Reset All

The Temporal tab above provides the capability to enter DAR temporal parameters. You must set the start and end date parameters for your DAR. The Repeat Interval and Acquisition Window parameters may be left set to their defaults or they may be changed. When finished press 'Update DAR >>>' to display the entered parameters in the DAR Summary.

Warning: Applet Window

# JDT Create/Edit DAR Geometry Tab



**Java DAR Tool**

File View Create/Edit DAR Help

Organizer Create/Edit DAR Create/Edit Search Inspect Results

Submit DAR

General Spatial Temporal Coverage Geometry Priority

Telescope Look Angle

"+" = Satellite Left    "-" = Satellite Right

☒ Any Look Angle    ☐ Specific Look Angle

☐ Look Angle Range    ☐ Preset Look Angle

Sun Angle

☒ Any Sun Angle    ☐ Sun Angle Range

Note: Press button to save values >>> **Update DAR >>>**

**DAR Summary**

- ☐ General - Primary Attributes
- ☐ General - Telescope Settings
- ☐ Spatial
- ☐ Temporal
- ☐ Coverage
- ☐ Geometry
- ☐ Priority

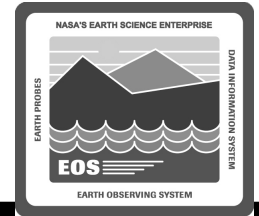
**Reset Attribute**    **Reset All**

The Geometry tab above provides the capability to enter look angles and sun angles using a variety of methods. There are no required entries for this tab. Selecting any of the look angle radio button settings results in the display of different look angle fields and components. When finished press 'Update DAR >>>' to display the entered parameters in the DAR Summary.

**ONLINE HELP**

Warning: Applet Window

# JDT Create/Edit DAR Priority Tab



**Java DAR Tool**

File View Create/Edit DAR Help

Organizer Create/Edit DAR Create/Edit Search Inspect Results

Submit DAR

**General Spatial Temporal Coverage Geometry Priority**

Ground Campaign: ☒ No ☐ Yes

Implementation Urgency: ☒ Normal ☐ Urgent

Requestor Comments:

Request for Expedited Data: ☐ No ☐ Yes

Note: Press button to save values >>> **Update DAR >>>**

**DAR Summary**

- General - Primary Attributes
- General - Telescope Settings
- Spatial
- Temporal
- Coverage
- Geometry
- Priority

**Reset Attribute Reset All**

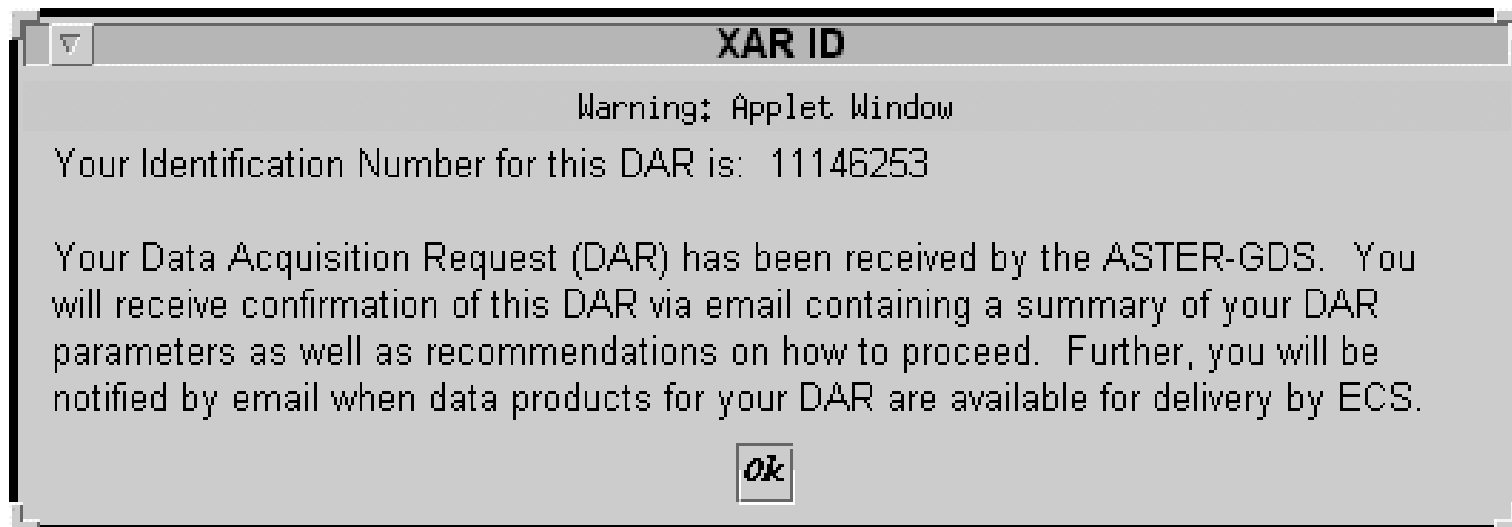
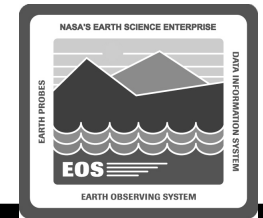
The Priority tab above provides the capability to set parameters that may affect the priority placed on a DAR request. Submitting a 'Request for Expedited Data' requires special ASTER authorizations that must be obtained in advance (this function will be greyed-out if you do not have such authorization). When finished press 'Update DAR >>>' to display the entered parameters in the DAR Summary.

**ONLINE HELP**

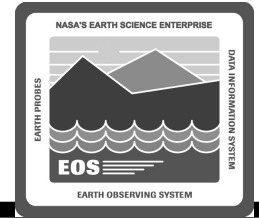
Warning: Applet Window



# JDT ID Dialog



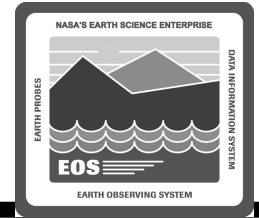
# Modify a DAR



- **Modification of an existing DAR is limited**
  - From DAR Organizer, the maximum acceptable cloud cover for a selected DAR may be set less restrictive
  - From DAR Organizer, a selected DAR may be suspended or activated by clicking on the desired status in a dialog
- **Modifications are acknowledged by ASTER GDS**

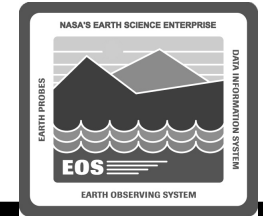
# Search/Status a DAR

---



- **The Java DAR Tool permits a user to search for an existing DAR in the XAR database in Japan, using the Create/Edit Search tab**
  - **Search by DAR ID**
  - **Search by attribute**
    - **Specify General, Spatial, Temporal, Geometry, Priority, or other attributes**

# JDT Create/Edit Search Tab: Search by XAR ID



**Java DAR Tool**

File View Create/Edit Search Help

Organizer Create/Edit DAR Create/Edit Search Inspect Results

Submit Search

Select xAR ID's from ....

xAR Type	xAR ID	xAR Title
----------	--------	-----------

... or enter xAR ID if known :

Note: Press button to save values >>> **Update Search >>>**

**Search Summary**

XARidList

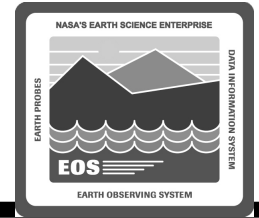
Delete Clear All

Developers who are interested in displaying instruction-level help for the screen << jdt.client.search.SearchScreen >> must implement the jdt.aux.utilities.IComponentSupport and set the componentID

ONLINE HELP

Warning: Applet Window

# JTD Inspect Results

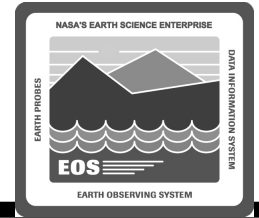


- **Results of a Search may be inspected using the Inspect Results tab**
  - Results returned as a list of titles, DAR IDs, and set of associated parameters
  - User may select one or more DARs from the list and view them in different ways
    - Textually
    - Graphically
    - Area of Interest (AOI) within selected Area of Search (AOS)
    - By search parameters that produced the result
  - User may create a template DAR using the parameters from one of the results to submit a new DAR
  - User may view acquired scenes from a selected result
    - Graphically
    - AOI within AOS

82  
625-CD-513-002

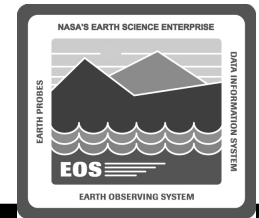
# On-Demand Product Requests

---



- **Users can submit requests through the On-Demand Form Request Manager (ODFRM)**
  - Create/order ASTER high-level products
  - Create/order Digital Elevation Model (DEM) products
  - Create/order non-standard ASTER Level 1B products
- **ECS at EDC is configured to support the requests**
  - CLS: provides ODFRM
  - PLS: creates and queues the necessary production requests
  - DPS: provides status of high-level processing for the requests
  - MSS: provides for tracking On-Demand Requests

# ODFRM: Welcome Window




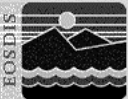
Netscape: ASTER On-Demand Processing Requests

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## ASTER On-Demand Processing Requests

[Help](#)

**Welcome!** Thank you for your interest in ASTER science data products.

Use this form to order on-demand ASTER data products.

Begin by supplying the information below, then clicking "Continue".  
If email is not entered, it will use default email from the userprofile.

**User Information:**  
Please login or provide email address:

\* UserID:

\* Password:

E-mail address:

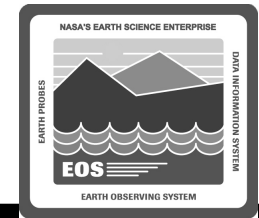
\* = mandatory

Click  when you are ready to continue.

100% of 25K (at 312 bytes/sec)



# ODFRM: Product Selection Window





Netscape: ASTER Product Requests:Select Products

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**Select Products**

Select the button for the product you are requesting.  
Follow the hyperlinks for more information about each product.

- ☐ [AST\\_04](#) Brightness Temperature at Sensor
- ☐ [AST\\_05](#) Surface Emissivity
- ☐ [AST\\_08](#) Surface Kinetic Temperature
- ☐ [AST\\_06V](#) Decorrelation Stretch--VNIR
- ☐ [AST\\_06S](#) Decorrelation Stretch--SWIR
- ☐ [AST\\_06T](#) Decorrelation Stretch--TIR
- ☐ [AST\\_07](#) Surface Reflectance--VNIR, SWIR
- ☐ [AST\\_09](#) Surface Radiance--VNIR, SWIR
- ☐ [AST\\_09T](#) Surface Radiance--TIR
- ☐ [AST14DEM](#) Digital Elevation Model

**Identify Inputs**

Identify the ASTER Level 1 data granules ("scenes") to use as the basis for the product you are ProductNameing.

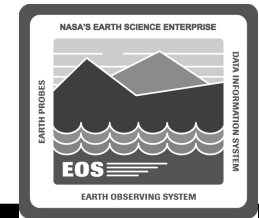
To do this, locate one or more granules using the EOS Data Gateway and display the granules' metadata, then copy each granule's "UR" (an ECS identifier such as "SC:AST\_L1B.001:1234") and paste it into the text box below. To go to EDG now, click [here](#).

[More Info...](#)

**Note:** Multiple granules can be ProductNameed for all products except DEM or Non-Standard Level 1B.

95% of 20K (stalled)

# ODFRM: Processing Options Window



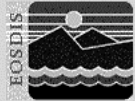

Netscape: ASTER Product Requests: Select Processing Options

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**Select Processing Options for AST\_09 - Surface Radiance--VNIR, SWIR**

**Ancillary Dataset Options**

Aerosol Product Source

☒ Climatology

Column Ozone Product Source

☒ NCEP/TOVS

☐ Climatology

Temperature/Pressure/Moisture Profile Source

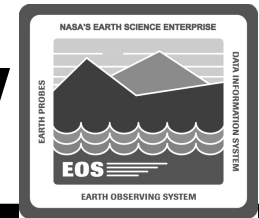
☒ NCEP/GDAS

☐ Climatology

To continue with your order, click "Continue".  
To reset the options on this page to their defaults, click "Reset"

95% of 20K (stalled)

# ODFRM: Shipping Information Window





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**Enter Shipping Information:**

**Media Options:**

Media Type	Media Format
<input checked="" type="checkbox"/> FtpPull	FILEFORMAT
<input type="checkbox"/> FtpPush	FILEFORMAT
<input type="checkbox"/> 8MM	TARFORMAT

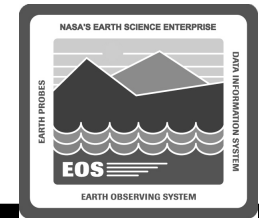
For MediaType FtpPull or FtpPush, the Media Format is FILEFORMAT.  
For MediaType 8MM, the Media Format is TARFORMAT.

To continue with your order, click "Continue".  
To reset the options on this page to their defaults, click "Reset"

\* = mandatory

95% of 20K (stalled)

# ODFRM: Order Review Window





Netscape: ASTER Product Requests:Order Review

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---

### Order Review

These are the details of your order.

TransactionInfo:

SubmissionDateTime: 03/10/2000 15:20:21

RequestType: HigherLevel

UserInfo:

UserID: cmnts2

EMailAddress: pvan@eos.hitc.com

DistributionOptions:

MediaType: FtpPull

MediaFormat: FILEFORMAT

InputInfo:

GranuleIDs: AST\_L1B.001:2000003276

ProductInfo:

ProductName: AST\_09

AncInputOpts:

AerosolSource: Clim

OzoneSource: Ncep

TempSource: Ncep

Click "Submit" if you want to place this order.  
Click "Cancel" if you do not want to place this order.  
You may modify your order by using your browser's "Back" button.

95% of 20K (stalled)

# ODFRM: Product Results Window

